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SEEDS ★ PLANTS ★ BULBS
WAR GARDEN EDITION



1942

POWELL SEED STORE

436 South Fifth Street, Louisville, Kentucky



★ PLANT A GARDEN ★

for Health ★ Happiness ★ Victory!

War Gardens

The Government of the United States through the Department of Agriculture, is fostering a garden program, nationwide in its scope.

Through this Victory Garden program thousands of backyard gardeners in this area will supplement their normal food supply with delicious vegetables fresh from their own gardens, rich in vitamins.

It is not intended that our backyards shall supply the nation's food, nor that we take the place of farmers and market gardeners. There is no imminent food shortage. Nor was it ever intended that we should destroy a rose bush to make way for a cabbage. Grow flowers, plenty of them—we need flowers for cheer, for spiritual uplift, for courage. A recent magazine article pointed out that "We can have a garden and eat it, too."

Garden for exercise, for relaxation, for the joy that comes from working in the soil with living plants.

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For Beginners Only

Success in gardening depends greatly on thorough preparation of the soil. Select a spot in full sun—poor clay soils should receive a liberal application of sheep or cattle manure. If you are going in for vegetables, start with the easiest-to-grow things: Beans, Lettuce, Tomatoes, Radishes, Carrots, Beets and Onions.

Cultivation

Most crops will enjoy frequent cultivation. After every rain, when the ground has dried sufficiently, break up the surface soil into a fine mulch. Such cultivation keeps down weeds, prevents rapid evaporation of needed moisture, and aerates the soil.

Weeds

The good gardener never allows weeds to rob the soil of plant food and moisture. Your growing things need plenty of air and sunshine. Don't allow the weeds to crowd them.

Watering

During dry spells it becomes necessary to water. This should be done thoroughly, soaking the soil to a depth of 8 or 10 inches. Avoid "sprinkling." Never wet foliage in the heat of the day. Morning is best. If watering is done in the afternoon, the foliage should be dry at sundown.

Damping Off of Seedlings

Seed planted in boxes and frames are subject to a fungus disease known as "damping off." The seedlings fall over as though pinched at the base of the stem. There is no cure for the plants affected.

To prevent damping off:

- Avoid sowing seed too thickly.
- Water seed pans from below.
- Never water in late afternoon.
- Give plenty of air and sunshine.
- Use SEMESAN as directed by the manufacturers.

Insect Pests

Garden pests generally may be divided into two classes, the sucking insects and the chewing insects. The chewing insects are the most prevalent in the vegetable garden. The beetles, caterpillars, cabbage and tomato worms, snails, and grasshoppers belong to the chewing class and are controlled by stomach poison and poisoned bait. Arsenate of lead is the most used poison. Sucking insects (the green aphid is most common) are controlled with contact sprays such as Black-Leaf 40 (Nicotine Sulphate) Rotenone and Pyrethrum.

Plant Diseases

The most common plant diseases are the fungous attacks on roses, grapes, delphiniums, lilacs and certain annual flowers. Bordeaux Mixture or dusting sulfur may be used for the control of powdery mildew and black-spot of roses. Grapes and tomatoes should be sprayed with Bordeaux as soon as the fruits are formed. Either of these suggested treatments may be used on phlox, hollyhock and zinnias.

A Complete Spray

In the preceding paragraphs we have briefly shown our chief garden enemies—disease, chewing insects and sucking insects. In most cases all three may be effectively sprayed by combining Bordeaux, Arsenate of Lead and Black-Leaf 40 (Nicotine Sulphate).

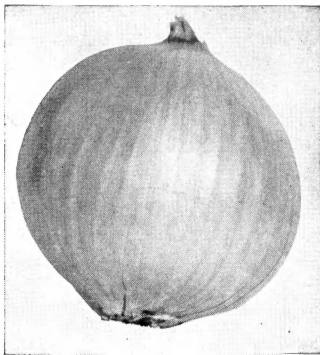
Louisville Lawn Mixture

This blend of fine-leaved grasses with White Dutch Clover is recommended for use in reseeding established lawns, patching thin spots, and for seeding newly graded yards where a permanent stand of Kentucky Blue Grass is desired. Ready for cutting after 30 days of good weather. This seed should be broadcast evenly to avoid a patchy appearance. Seed should be sown at the rate of 1 pound for every 300 square feet, selecting a time when there is no wind. After sowing, roll or rake lightly.

GRASSES

	1 lb.	5 lbs.	10 lbs.
Louisville Lawn Grass.....	\$0.40	\$1.75	\$3.25
Shade Mixture.....	.50	2.25	4.25
Kentucky Blue.....	.35	1.60	3.00
Red Top.....	.30	1.25	2.25
Rye Grass—green in winter.....	.20	.80	1.25
White Dutch Clover.....	.90	4.25	8.00

The above prices are subject to change without notice.



Onion

ASPARAGUS ROOTS

Mary Washington. Produces long, straight shoots of a dark green color. A heavy yielder, long-lived, and practically free from rust. 2-year roots, \$1.00 for 25; \$1.65 for 50; \$3.00 per 100.

BUSH BEANS

	Pkt.	½ lb.	1 lb.	5 lbs.
Burpee's Stringless G.P.	\$0.10	\$0.25	\$0.35	\$1.00
Ex. Early Red Valentine	.10	.25	.35	1.00
Bountiful	.10	.25	.40	1.15
Full Measure	.10	.25	.35	1.00
Giant Stringless	.10	.25	.35	1.00

POLE BEANS

	Pkt.	½ lb.	1 lb.	5 lbs.
Kentucky Wonder	\$0.10	\$0.20	\$0.30	\$1.15
Horticultural	.10	.25	.35	1.20

BUSH LIMA BEANS

	Pkt.	½ lb.	1 lb.	5 lbs.
Burpee's Improved Bush	\$0.10	\$0.25	\$0.40	\$1.25
Fordhook	.10	.25	.40	1.40
Wood's Prolific	.10	.20	.30	1.20

POLE LIMA BEANS

	Pkt.	½ lb.	1 lb.	5 lbs.
Carolina or Sieva	\$0.10	\$0.20	\$0.35	\$1.25
King Podded	.10	.20	.40	1.50
King of the Garden	.10	.20	.35	1.25

BEETS

	Pkt.	Oz.	½ lb.
Red Ball	\$0.10	\$0.30	\$0.95
Burpee's Improved Blood	.10	.25	.85
Crosby's Egyptian	.10	.20	.70
Detroit Dark Red	.10	.35	1.00

BROCCOLI

	Pkt.	Oz.
Italian Green Sprouting	\$0.15	\$0.75

BRUSSELS SPROUTS

	Pkt.
Danish Prize	\$0.15

CABBAGE

	Pkt.	Oz.
Charleston	\$0.10	\$0.30
Copenhagen Market	.15	.60
Early Dwarf Flat Dutch	.10	.35
Early Jersey Wakefield	.10	.30
Premium Flat Dutch	.10	.40
Surehead	.10	.40

We can supply Plants in season.

CHINESE OR CELERY CABBAGE

	Pkt.	Oz.
Wong Bok	\$0.10	\$0.50
Pe-Tsai	.10	.50

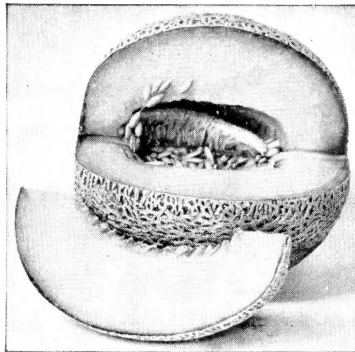
CARROTS

	Pkt.	Oz.	½ lb.
Chantenay	\$0.10	\$0.45	\$1.70
Danvers Half-long	.10	.45	1.70
Oxheart	.10	.45	1.70
Tendersweet	.15	.60	2.15

CAULIFLOWER

	Pkt.	½ oz.
Burpee's Best Early	\$0.15	\$1.00

Vegetable Seeds



Muskmelon

CORN

	Pkt.	½ lb.	1 lb.	5 lbs.
Adams Early	\$0.10	\$0.20	\$0.30	\$1.00
Black Mexican	.10	.25	.40	1.75
Country Gentleman	.10	.25	.40	1.75
Early Northern Field	.10	.20	.25	1.00
Golden Bantam	.10	.25	.40	1.75
Golden Cross Bantam	.15	.35	.60	2.60
Howling Mob	.10	.25	.40	1.75
Stowell's Evergreen	.10	.20	.35	1.50

CUCUMBERS

	Pkt.	Oz.	½ lb.
Extra Early Green Prolific	\$0.10	\$0.20	\$0.65
Davis Perfect	.10	.25	.80
Extra Early White Spine	.10	.25	.80
Fordhook Famous	.15	.25	.80
Fordhook Pickling	.10	.25	.80
Fordhook White Spine	.10	.25	.80
London Long Green	.10	.30	1.00
West India Gherkin	.10	.25	.80

TOMATOES

	Pkt.	½ oz.	1 oz.
Beefsteak	\$0.15	\$0.35	\$0.60
Benny Best	.10	.25	.45
Break o' Day	.10	.25	.45
John Baer	.10	.25	.40
Marglobe	.10	.25	.40
Matchless	.10	.25	.45
Oxheart	.15	.50	.95
Ponderosa	.15	.40	.70
Sunnybrook Earliana	.10	.30	.50
Winsall	.25	2.00	3.50

We can supply Plants in season.

Yellow-fruited Tomatoes

	Pkt.	½ oz.
Golden Ponderosa	\$0.15	\$0.50
Yellow Pear Preserving	.10	.35

EGGPLANT

	Pkt.	½ oz.	1 oz.
Black Beauty	\$0.10	\$0.35	\$0.60

We can supply Plants in season.

ENDIVE

	Pkt.	Oz.	½ lb.
Green Curled	\$0.10	\$0.25	\$0.80

KOHL-RABI

	Pkt.	Oz.	½ lb.
Early White Vienna	\$0.15	\$0.45	\$0.75

LETTUCE

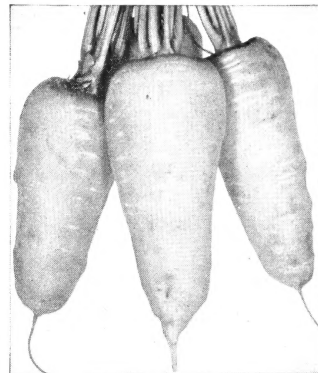
	Pkt.	Oz.	½ lb.
Bibb	\$0.15	\$0.35	\$1.00
Big Boston	.10	.25	.75
Black-seeded Simpson	.10	.20	.60
Early Curled Simpson	.10	.20	.60
Grand Rapids	.10	.20	.60
Iceberg	.10	.25	.75

MUSTARD

	Pkt.	Oz.	½ lb.
Fordhook Fancy	\$0.10	\$0.20	\$0.50
Southern Curled Giant	.10	.15	.40

MUSKMELONS OR CANTALOUPE

	Pkt.	Oz.	½ lb.
Fordhook	\$0.10	\$0.35	\$1.00
Hearts of Gold	.10	.25	.75
Netted Gem or Rocky Ford	.10	.25	.75
Tip-Top	.10	.20	.60



Carrots

WATERMELONS

	Pkt.	Oz.	½ lb.
Halbert Honey	\$0.10	\$0.20	\$0.60
Kleckley Sweets Improved	.10	.20	.60
Stone Mountain	.10	.15	.45
Sugar Stick	.10	.20	.55
Tom Watson	.10	.15	.45

OKRA

	Pkt.	Oz.	½ lb.
Dwarf Prolific	\$0.10	\$0.15	\$0.40
Perkins Long-pod	.10	.15	.35
White Velvet	.10	.15	.40

PARSNIPS

	Pkt.	Oz.	½ lb.
Guernsey	\$0.10	\$0.25	\$0.75
Long Smooth Hollow Crown	\$0.10	\$0.25	\$0.75

PEAS

	Pkt.	½ lb.	1 lb.	2 lb.
Alaska or Earliest of All	\$0.10	\$0.20	\$0.35	\$0.65
Blue Bantam	.10	.25	.45	.80
Gradius Extra-early	.10	.25	.35	.65
Little Marvel	.10	.25	.35	.65
Nott's Excelsior	.10	.25	.35	.65
Telephone	.10	.25	.35	.65

PEPPERS

	Pkt.	½ oz.	Oz.
Bull Nose	\$0.10	\$0.35	\$0.60
Chinese Giant	.15	.45	.80
Long Red Cayenne	.10	.35	.60
Ruby King	.10	.35	.60
Sweet-meat Glory	.10	.35	.60

We can supply Plants in season.

PUMPKINS

	Pkt.	Oz.	½ lb.
Green-striped Cushaw	\$0.10	\$0.15	\$0.45
Small Sugar	.10	.15	.45
Kentucky Field	.10	.15	.35

RADISHES

	Pkt.	Oz.	½ lb.
Early Long Scarlet	\$0.10	\$0.25	\$0.75
French Breakfast	.10	.30	.90
Sparkler	.10	.25	.75
Crimson Giant Globe	.10	.25	.75
White Icicle	.10	.25	.75
White Strasburg	.10	.20	.60

RHUBARB ROOTS

Myatt's Victoria. Roots, 15c each; 5 for 50c; 12 for \$1.00.

SALSIFY OR OYSTER PLANT

	Pkt.	Oz.	4 oz.
Mammoth Sandwich Island	\$0.10	\$0.25	\$0.80

SPINACH

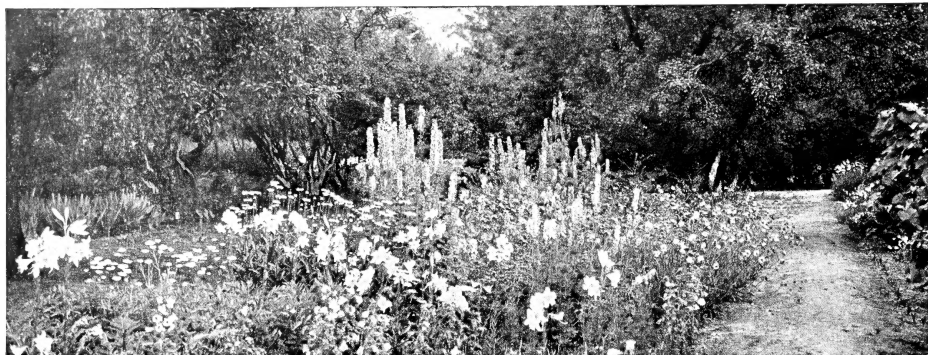
	Pkt.	Oz.	4 oz.
Victoria	\$0.10	\$0.25	\$0.75
New Zealand	.10	.35	1.25

SQUASH

	Pkt.	Oz.	4 oz.
Early White Bush	\$0.10	\$0.25	\$0.70
Early Golden Summer Crook-neck	.10	.20	.60

TURNIPS

	Pkt.	Oz.	4 oz.
Early P. T. Milan	\$0.10	\$0.15	\$0.45
Seven Top Turnip Greens	.10	.15	.40



PERENNIAL PLANTS

Alyssum Saxatile Compactum (Gold Dust).

Anemone Japonica (Japanese Windflower). 35c ea.

Queen Charlotte. Popular pink.

Whirlwind. Double white.

Aquilegia (Columbine). Long-spurred hybrids. Doz. \$2.00.

Dobbies' Imperial Hybrids. Each 30c; doz. \$3.00.

Aubrietia. A splendid plant for the rockery. Rosy-lilac flowers over a mass of foliage.

Bleeding Heart.

Spectabilis. An old-fashioned favorite, at home in sun or shade. 50c each.

Eximia. Fine dwarf for rock gardens. Blooms all summer. Each 30c.

Carnation. Hardy mixed.

Cerastium Tomentosum (Snow in Summer). Snow white flowers.

HARDY CHRYSANTHEMUMS

(Ready for Delivery May 1st)

Except where noted, the following chrysanthemum varieties are 25c each, \$2.50 a dozen.

Amelia (Pink Cushion). Dwarf pink.

Barbara Cumming. Clear yellow shading to orange-bronze.

Granny Scovill. Warm coral bronze.

Indian Summer. Large flowers of glowing orange.

Jean Treadway. Large pink with dark center.

Lavender Lady. New true lavender, large. 35c each.

October Girl. Large early pink.

Pigmy Gold. Dwarf yellow button.

Ruth Hatton. Clear ivory white.

R. Marion Hatton. Bright canary-yellow.

SINGLE KOREAN CHRYSANTHEMUMS

Aphrodite. Splendid pink.

Apollo. Bronze, red and gold chamois-yellow.

Ceres. Chamois yellow.

Daphne. Lilac-rose pink.

Diana. Rose pink.

Louise Schling. Salmon-red.

Mars. Velvety wine red.

Venus. Fine late deep pink.

CHRYSANTHEMUM MAXIMUM (Shasta Daisy)

Alaska. Large glistening white blossoms.

Esther Reed. Double. 50c each.

Phyllis Elliott. Double. Similar to chiffon. 50c each.

Coreopsis. Long-stemmed yellow flowers all summer.

DELPHINIUM

Belladonna. Popular light blue.

Bellamosum. Rich blue shade. 25c each, \$2.50 a dozen.

Blackmore and Langdon Hybrids. Superb English delphinium. 30c each, \$3.50 a dozen.

Dianthus. (Pinks) mixed.

Digitalis (Foxglove) Giant Hybrids.

Funkia. (Hosta Plantain or August Lily.) Large, lily-like white flowers with heart-shaped foliage—good in shade. 35c each, 6 for \$2.00.

Gaillardia (Blanket Flower). Yellow and red flowers borne profusely throughout the summer.

Geum.

Lady Stratheden. Golden yellow blossoms.

Mrs. Bradshaw. Double orange-scarlet flowers.

Gypsophila (Baby's Breath).

Bristol Fairy. Small double white blossoms borne profusely during summer. 40c each.

Hemerocallis (Lemon Lily—Day Lily).

Bay State. Brilliant and glistening deep yellow flowers on four-foot stems. In full bloom about late June. Free-blooming and robust in growth. 35c each.

Dr. Regel. Handsome, rich orange-yellow flowers in early May and June. Very fragrant. 35c ea.

Flava. Sweet-scented, clear full yellow, 2½ ft. Flower in June in great profusion. 40c each.

J. A. Crawford. Rich apricot-yellow shaded light cadmium. 35c each.

Mrs. W. H. Wyman. Lovely light pale lemon-yellow flowers on four-foot stems. 60c each.

The Gem. Rich, deep orange-yellow flowers on 3½ to 4-foot stems. 35c each.

Thunbergi (Lemon Lily). Pale yellow blossoms, spikes 2 to 3 feet tall. 35c each.

Heuchera (Coral Bell).

Pluie de Feu. Lovely coral-red. 35c each.

Hollyhock.

Single Mixed, \$2.00 a dozen.

Double. We can supply double Hollyhocks in

Red, Yellow and Pink.

Double Hollyhocks, \$2.50 per dozen.

Iberis (Hardy Candy Tuft). Dwarf pure white.

Lathyrus (Hardy Pea). We can supply plants in either red, pink or white. 25c each.

Liatris (Gayfeather).

Pycnostachya (Kansas Gayfeather). Stately four-foot spikes of rich purple. Midsummer. 25c ea.

Scariosa. (September Glory). Greatly improved form, as all the flowers come into bloom at one time. 40c each.

Linum Sibiricum (Perennial Flax). Light blue.

Lychnis Chalcidonica. A splendid border plant bearing intensely red flowers June-July.

Phlox Decussata.

B. Comte. Brilliant, rich wine color. 3 for 65c.

Daily Sketch. Large salmon-pink, crimson eye. 3 for 65c.

Leo Schlageter. Enormous brilliant scarlet. 3 for 65c.

Miss Lingard. Very early white. 3 for 65c.

Rijnstroom. Lively rose-pink. 3 for 65c.

Rheintunder. Splendid salmon-pink. 3 for 65c.

Phlox Subulata (Creeping Phlox).

Lilacina. Pale blue. 20c each, 3 for 50c.

Rosea. Rose pink. 20c each, 3 for 50c.

Platycodon. (Mariesi). Chinese Bellflower, blue saucer-like flowers on wiry stems.

Primula (Primrose). Hardy mixed. \$2.50 a dozen.

Pyrethrum. Roseum (Painted Daisy). Mixed colors.

Saponaria Ocymoides Splendens. Each 25c.

Sweet William (Dianthus Barbatus). Mixed.

Tunica Saxifraga. Tiny pink flowers on six-inch stems.

Price: The above perennials are 20c each, \$2.00 a dozen, unless otherwise noted.

Orders for Perennials

should be placed in advance, as we cannot keep these items at our downtown store.

Gladiolus Bulbs

	Doz.
Beacon. Salmon-scarlet, cream throat.....	\$1.00
Cadillac. Golden-apricot, large flower.....	.60
Chas. Dickens. Radiant purple.....	.60
Dream o' Beauty. American Beauty rose shade.....	.60
Duna. Soft shade of clear pinkish buff.....	.60
Maid of Orleans. Milky-white with creamy throat.....	.60
Marmora. Soft lavender-gray.....	.60
Miss Alameda. Exhibition type, light pink.....	.75
Mother Machree. Golden smoke shade.....	.75
Picardy. Sensational shrimp-pink.....	.60
Schwaben Girl. Very pure pink.....	.60
Vagabond Prince. Mahogany-brown, red blotch.....	1.00
Gladiolus in Mixture. A blend of the above and other varieties: Dozen, 50c; 100 for \$3.50.	

Summer Hyacinth

Hyacinthus Candicans. Vigorous growth. Flowers are pure white and pendulous, 4 feet high. Each, 15c; dozen, \$1.50.

Cannas

Hungaria. Best pink Canna.

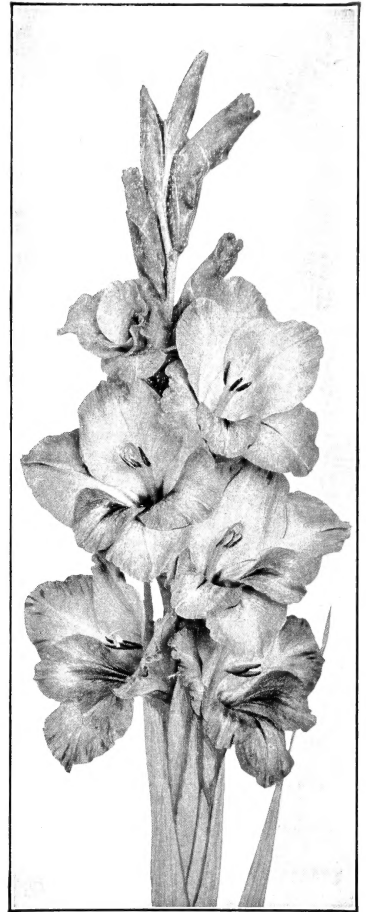
Eureka. A creamy white variety with dark green foliage. Height 4½ feet.

King Humbert. Immense orange-scarlet flowers. Foliage bronze. Height 4 to 5 ft.

The President. Most popular red. Immense flowers of glowing color. Height 5 ft.

Yellow King Humbert. Flowers bright yellow, with contrasting crimson dots. Height 4½ ft.

Any of the above Cannas, 15c each, dozen \$1.50.



TUBEROUS-ROOTED BEGONIAS (Camellia Flowered)

Excellent for porch boxes in shade or borders with very little sun. Bulbs may be started indoors in March or April in four-inch pots and transferred to garden when danger of frost is past. Provide good drainage and a soil composed of one-half loam, one-fourth leaf mold or rotted peat and one-fourth sharp sand. Barely cover the bulbs. At the end of season bulbs may be stored in cool place after thoroughly drying in shade.

Salmon Rose Orange Scarlet

Each 30c, dozen \$3.00.

CALADIUM

Esculentum. This is the popular elephant ear. Large bulbs, 15c each. Jumbo bulbs, 35c each.

Fancy-leaved. The fancifully colored leaves are splashed with green, red, and white, making them valuable for baskets, urns and window boxes. 35c each.

TUBEROSE

Single Mexican. Pure white of unusual fragrance. Doz. 50c.

Double Dwarf Pearl. 60c dozen.

PERUVIAN DAFFODIL

Ismene Calathina. Showy, lily-like flowers easily grown, not hardy. 20c each, 12 for \$2.00.

REGALE LILY

Large, fragrant, white blooms. 30c each, \$3.00 per dozen.

For succession of bloom and a continuous supply of cut flowers, plant a few gladiolus bulbs every two weeks until the end of June. Gladiolus require a minimum of care. Cover the bulbs with 3½ inches of soil and keep well cultivated until buds are formed.

When growth is well started, they will repay for a top-dressing of sheep manure. Water well during dry spells if you would have blooms of exhibition quality.

When frost is imminent, cut the foliage well above the soil. Dig and spread out to cure. Three weeks after harvest the bulbs may be cleaned and stored.

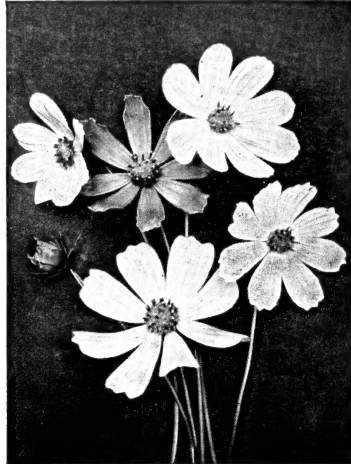
A sprinkling of naphthalene flakes will destroy any thrips that might be present.



Calendula



Blue Ageratum



Cosmos

Annual Flower Seeds

AGERATUM. Imperial Dwarf Blue. Pkt., 15c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 70c.

SWEET ALYSSUM (Maritimum). Its compact habit makes it desirable for borders and hanging baskets. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c.

Little Gem. Grows 4 to 5 inches tall. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

BALSAM. Lady Slipper. Gardenia-flowered. All colors mixed. Packet, 10c.

CALENDULA. Unsurpassed for wealth of bloom. Easy to grow. Blooms till after frost.

Lemon Queen. Scotch Marigold. Pkt., 10c; $\frac{1}{2}$ oz., 30c.

Orange King. Best known of all. Pkt., 10c; $\frac{1}{2}$ oz., 25c.

Double Mixed. All varieties. Pkt., 15c.

CALLIOPSIS. Dwarf. Mixed. Pkt., 10c.

CANDYTUFT (Iberis). A superb edging plant 1 foot high. Blooms profusely in cool weather. Good for cut flowers. Mixed, pkt., 10c.

Giant Hyacinth-flowered. Pure white. Pkt., 10c.

CASTOR BEAN (Ricinus). Valued for its rapid growth and ornamental foliage. Mixed, pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

CENTAUREA. Cornflower. For garden decoration or for cut flowers. Plant outdoors early in the spring.

Double Mixed. Pkt., 15c; $\frac{1}{4}$ oz., 30c.

Double Blue. The most popular color. Pkt., 15c; $\frac{1}{4}$ oz., 35c.

COSMOS

Early-flowering Single Mixed. Pkt., 10c.

Early-flowering Double Mixed. Pkt., 20c.

Orange Flare. Golden yellow flowers borne on plants 3 ft. tall. Blooms continuously from midsummer till frost. Pkt., 10c.

Pink Lady Lennox. Late-flowering. Pkt., 10c.

Late Single Mixed. Pkt., 10c.

CYNOGLOSSUM. Chinese Forget-me-not. Pkt., 10c.

DIANTHUS. Old-fashioned Pinks. Bloom in late summer and fall. Of easy culture and thrive in most any garden soil.

Favorite Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

ESCHSCHOLTZIA. California Poppy. Blooms from midsummer till frost.

Sunset Mixture. Contains the best colors. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

FORGET-ME-NOT (Myosotis). Blooms the first year from seed and more profusely the second year.

Palustris. Blue. Pkt., 20c.

Alpestris. Indigo blue. Pkt., 10c.

GAILLARDIA. Fine for cutting and for annual border. Blooms July till frost.

Single Fine Mixed. Yellow and scarlet. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Double Mixed. Gaily colored. Pkt., 15c.

GOURDS. Often grow 20 to 30 ft. high. Plant seed where vines are to grow.

Spoon
Dishcloth

Nest-egg
Sugar-trough

Dipper
Fine Mixed

Any of the above, pkt., 10c.

LARKSPUR

Tall Branching Double Stock-flowered.

Lustrous Carmine
White
Sky-blue

Dark Blue
Flesh-pink
Lavender

Any of the above varieties, pkt., 15c; $\frac{1}{4}$ oz., 35c.

Mixed colors, pkt., 10c; $\frac{1}{4}$ oz., 25c.

MARIGOLD

Grow perfectly in dry, sunny locations.

Burpee Gold. (Odorless foliage). Sweet-scented flowers. Glorious, deep orange, double blooms $3\frac{1}{2}$ in. across, like large, glowing Carnations. Pkt. (30 seeds), 15c.

Crown of Gold. Brilliant orange-gold flowers of pleasing fragrance with "odorless foliage." Pkt., 10c.

Guinea Gold. This new carnation-flowered Marigold has proved its merit at home and abroad. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Harmony. Beautiful two-toned flowers on dwarf plants 12 in. tall, with outer petals of rich mahogany. Centers are golden orange. Pkt., 15c.

Lemon Ball. Tall African Marigold. Yellow. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Orange Ball. Enormous, double. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Yellow Supreme. Tall plants with 4-inch flowers of brilliant lemon yellow. Pleasing fragrance. Pkt., 10c.

Double African Mixed. An excellent blend of yellow and orange flowers of largest size. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Double Dwarf French Mixed. Pkt., 10c.

MOONFLOWER. A rapid climber for porches and a good shade-maker. Vines attain length of 20 to 30 ft.

Giant White. Enormous white flowers. Pkt., 10c; $\frac{1}{2}$ oz., 30c.

MORNING GLORY. Fine Mixed. Pkt., 10c.

Heavenly Blue (Early Flowering). Large, bright blue flowers with white throats. Highly recommended. Pkt., 15c.

NASTURTIUMS

Seed may be sown as soon as the ground is warm, preferably in rather poor soil. The seed will rot in wet, cold ground. If the ground is too rich, the growth will go to leaves, with fewer flowers.

Tall Mixed. Pkt., 10c; oz., 20c.

Golden Gleam. Double and sweet-scented. Pkt., 10c; oz., 20c.

Scarlet Gleam. Sweet-scented double blooms of dazzling orange-scarlet. Pkt., 10c; oz., 20c.

Gleam Hybrids. Mixed. Pkt., 10c.

Dwarf Double Mixed—NEW. Giant double and semi-double. Sweet-scented flowers produced freely on compact plants about 1 ft. high. Pkt., 15c; oz., 35c.

NICOTIANA. Flowering Tobacco. Pkt., 10c.

Affinis. Pure white. Pkt., 10c.

NIGELLA. Love-in-a-Mist. Old-fashioned blue annual. Pkt., 10c.

PETUNIAS

Giant Ruffled Mixed. This true Giant Ruffled Petunia deserves its constantly increasing popularity. All colors, mixed. Pkt., 25c.

Elk's Purple. Large flowers of rich, velvety purple with darker hues. Pkt., 25c.

Hybrid Bedding Mixed. A fine mixture of spreading Petunias. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Pink Gem. Lovely light pink flowers borne on neat miniature plants, 6 in. across. Pkt., 15c.

Rose of Heaven. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Rosy Morn. Pkt., 15c; $\frac{1}{8}$ oz., 50c.

Balcony Petunias. Especially useful in beds, borders or for porch boxes. Large flowers.

Balcony Rose, Balcony Blue, Balcony White.

Any of the above, pkt., 15c; $\frac{1}{8}$ oz., 60c.

Balcony Mixed. Pkt., 15c; $\frac{1}{8}$ oz., 50c.



Nasturtium

PHLOX

Finest Mixed. Blend of all colors. Pkt., 15c; $\frac{1}{8}$ oz., 60c; $\frac{1}{4}$ oz., \$1.00.

Dwarf Phlox. (*D. nana compacta*). 5 to 6 in. tall. Pkt., 15c; $\frac{1}{8}$ oz., 60c.

POPPIES

Improved Shirley. Large, silky petals. All colors. Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Double Fairy Poppies. Many-colored flowers 5 in. in diameter. Elegantly fringed petals. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

PORTULACA. Rose Moss.

Single Mixed. Pkt., 15c; $\frac{1}{4}$ oz., 50c.

Double Mixed. Pkt., 15c; $\frac{1}{8}$ oz., 70c.

SALVIA. Scarlet Sage. Blooms in fall.

Splendens. Rich scarlet. Pkt., 15c.

SCABIOSA—MOURNING BRIDE

An excellent annual. Does well in limestone soil and likes plenty of sun. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Peach Blossom	Azure Fairy	Double White
Double Red		Double Black

Double Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

SNAPDRAGON

Philadelphia Pink. H. D. Pkt., 10c.

Half-dwarf Fancy Mixed. (Rust-proof.) 15 in. A glorious mixture of bright colors. Pkt., 10c; $\frac{1}{8}$ oz., 45c.

Giant Mixed. Pkt., 10c.

TITHONIA (Mexican Sunflower). Orange-scarlet flowers, 3 to 4 in. across, on tall plants with heavy foliage. Fine for fall cutting. Pkt., 15c.

GIANT VERBENAS

New Giant Mixed. All colors. Pkt., 15c; $\frac{1}{8}$ oz., 40c.

VENIDIUM (Fastuosum Hybrids). Brilliant flowers of buff, yellow, orange. 4 in. across on showy plants 2 to 3 ft. tall. An excellent cut flower. Pkt., 25c.

VINCA. Periwinkle. Rose and white. Mixed pkt., 10c; $\frac{1}{4}$ oz., 40c.

GIANT ZINNIAS

Giant Flesh-Pink	Giant Burnt-Orange
Giant Scarlet	Giant Crimson
Giant Golden Yellow	Giant Purple
Giant Rose	Giant Canary Yellow
Giant White	

Any of the above Giant varieties, pkt., 10c; $\frac{1}{4}$ oz., 35c; $\frac{1}{2}$ oz., 60c.

Giant Mammoth Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c.

GIANT DAHLIA-FLOWERED ZINNIAS

Canary Bird. Primrose-yellow. Pkt., 15c.

Dream. Deep lavender. Pkt., 15c.

Exquisite. Light rose. Pkt., 15c.

Illumination. Tyrian rose. Pkt., 10c.

Maiden's Blush. Shell-pink. Pkt., 10c.

Oriole. Orange and gold. Pkt., 15c.

Polar Bear. The best of all white Zinnias. Pkt., 15c.

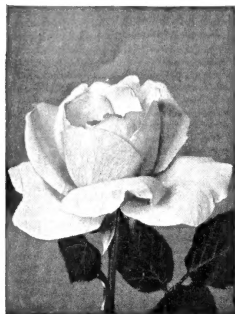
Mixed Colors. Complete mixture of all varieties. Pkt., 10c; $\frac{1}{8}$ oz., 30c.

LILLIPUT, BABY, or POMPON ZINNIAS. They have unusual value as cut flowers, lending themselves well to arrangement in basket or bowl.

Purple Gem	Scarlet Gem	Lilac Gem
Golden Gem	Crimson Gem	Salmon Rose

Any of above, pkt., 10c; $\frac{1}{4}$ oz., 35c.

Mixed Colors. Pkt., 10c; $\frac{1}{4}$ oz., 30c.



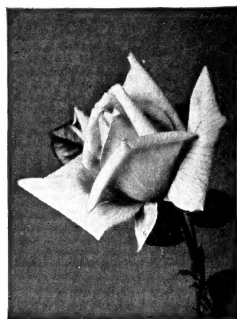
Radiance



Pres. H. Hoover



Red Radiance



Mrs. E. P. Thom

ROSES

Those who have used our roses in the past are well aware of the high quality of the plants we send out. The beginner would do well to start out with strong, thrifty bushes, such as we offer, keeping in mind that success with roses depends upon constant cultivation with the proper amount of plant food and generous watering when necessary. Keep constantly on the alert against insects and disease.

Autumn. H. T. Burnt-orange and red. Notable for its strikingly rich fall bloom. 75c each.

Betty Uprichard. H. T. Delicate salmon-pink flowers with a suggestion of carmine. Fragrant. Its popularity as a pink rose is well deserved. 75c each.

Caledonia. H. T. Full double flowers of pure white, borne on strong canes. If you are looking for a good white rose, try Caledonia. 75c ea.

Cecile Brunner. (Polyantha). This is the true "Sweetheart" rose in demand for its tiny, but exquisitely formed light pink buds. 75c each.

Charles P. Kilham. H. T. Brilliant orange flowers suffused with glowing scarlet. 75c each.

Christopher Stone. H. T. A new scarlet rose of unusual brilliance, the growth is vigorous and upright. The delicious fragrance of the blooms, together with size and excellent keeping qualities, assure great popularity for this rose. 85c ea.

Comdesa De Sastago. H. T. Reddish copper inside with rich gold reverse. The striking flowers are borne on vigorous branching plants. An unusual rose which is sure to make many friends. 75c each.

Dainty Bess. H. T. Single. This is the most popular of all single roses, having five broad petals of soft rose-pink and wine-colored stamens. This lovely rose has a charm all its own, and deserves a place in every garden. 75c each.

Dame Edith Helen. H. T. Large, double, pink flowers of perfect form held on strong stems. A winner at many exhibitions. Sweet-scented. 75c each.

Director Rubio. H. T. Bright cochineal red flower on strong stems. 75c each.

Duquesa De Penaranda. H. T. A beautiful flower described as cinnamon-peach or copper-apricot. The fragrant flowers are held on strong, upright growth, making it a splendid variety for cutting. 75c each.

Edith Nellie Perkins. H. T. A beautiful two-toned salmon-pink. The long-pointed buds are produced in abundance. The fragrant flowers are excellent for cutting. 75c each.

Editor McFarland. H. T. Brilliant, clear pink flowers with strong stems. Last well when cut. 75c each.

Etoile de Hollande. H. T. We consider this the best red rose. The flowers are fragrant, large and beautiful. The canes are strong and the foliage healthy. 75c each.

Federico Casas. H. T. Coppery pink and orange. Splendid as a garden subject as well as for cutting. 75c each.

Hinrich Gaede. H. T. Spectacular nasturtium-red of exhibition quality. Beautiful foliage. 75c each.

Joanna Hill. H. T. Creamy yellow buds flushed with orange at the base. Borne on strong canes. 75c each.

Kaiserin Auguste Viktoria. H. T. A fragrant pure white. 75c each.

Mme. Joseph Perraud. H. T. Long, slender buds of nasturtium-orange opening to pink buff. Rare fragrance. An excellent flower for cutting or exhibition. 75c each.

Miss Rowena Thom. H. T. Enormous rose-pink blooms of delicious fragrance. A descendant of Radiance, it has healthy foliage. 75c each.

Mrs. E. P. Thom. H. T. Medium-sized clear canary-yellow. Free blooming. 75c each.

Mrs. Pierre S. DuPont. H. T. Long, pointed buds of fadeless yellow, borne on healthy foliage. 75c each.

Mrs. Sam McGurdy. H. T. Long scarlet orange buds opening to full-cupped flowers of orange-rose. A splendid flower, excellent for cutting. 75c each.

President Herbert Hoover. H. T. Flame, scarlet and yellow. As a garden rose, it is far superior to Talisman. 75c each.

Radiance. H. T. Well-known globular flowers of rose-pink. 50c each.

Red Radiance. H. T. Rose-red flower borne on strong stem. 50c each.

Senora Gari. H. T. Orange buds opening to large flowers of buff-apricot self. A new color in roses which will surely become popular. 75c each.

Sister Therese. H. T. Golden daffodil-yellow flowers on sturdy long canes. 75c each.

Talisman. H. T. Scarlet-orange and rich yellow. 75c each.

CLIMBING ROSES

Climbing American Beauty. The strong, disease-resistant growth bears a wealth of flowers identical with its parent, the American Beauty. 75c each.

Climbing Talisman. Climbing form of the well-known bi-color rose. 75c each.

Mme. Gregoire Staechelin. (Spanish Beauty). The pointed pearl-pink buds are held on stems of such length as to make them excellent for cutting. The flowers are borne in profusion. 75c each.

Mermaid. Single, sulphur yellow flowers borne continuously through the season. Leathery foliage, 75c each.

New Dawn. An ever-blooming sport of Dr. Van Fleet, and the flowers are identical. Dainty pink flower. Blooms from early summer till frost. Plant patent No. 1. \$1.50 each.

Paul's Scarlet Climber. H. W. Intense scarlet flowers. Very popular. 75c each.

CARE OF ROSES

Planting. It should be borne in mind that roses will do much better in well-drained clay soil with plenty of manure. The plants should be set out as soon as received. The rose beds should be so planned that they will be at least three feet wide, but never more than six feet in width. Holes to receive plants should be dug at least fifteen inches deep and equally as wide, so that the roots may be spread easily. Well-seasoned cow manure and a little bone meal may be incorporated with the soil. Fill in earth and pack firmly so as to leave no air pockets. The juncture of the root stock and stems should be just beneath the surface. Newly-planted roses should be well watered. We recommend placing Hybrid Tea Rose bushes eighteen inches apart. A little crowding makes for longer and straighter stems.

Pruning. For best results the Hybrid Teas should be cut back to about six or eight inches, leaving an outside bud at the top of the cane. Climbing roses bloom on canes of the previous season's growth, hence the old wood should be cut out each year.

Fertilizing. A handful of bone meal and a four-inch pot full of sheep manure should be worked into the surface soil. This will insure luxuriant growth, good stems and flowers of splendid substance.

Winter Protection. In late fall or early winter, earth should be heaped over the crowns to a depth of at least ten inches. If available, cow manure should be placed around the mounds. This hilling up process will protect the bushes against the drying action of winter winds, frost, and sun.

About the last week in March the winter covering should be removed, fertilizer applied and the bed raked off smooth.

Summer Care. A top dressing of peat moss not only gives the rose bed a neat appearance, but causes better growth by conserving moisture and keeping down weeds. Grass clippings may be used instead of peat moss. If no mulch is used, keep the top soil pulverized with a sharp rake. After every rain, the crust should be broken up as soon as the ground is mellow enough to work.

Insects and disease will inevitably do much damage unless preventative measures are taken. Dust thoroughly once a week with Massey dust or spray with a combination of Bordeaux Mixture and Arsenate of Lead. When plant lice appear, spray thoroughly with Black Leaf 40 or Evergreen.

HARDY SHRUBS

Almond Red Flowering Double.
Each 60c.

Japanese Barberry. Size 18 to 24 inches. Each 30c.

Buddleia (Butterfly Bush)

Common Butterfly Bush. 35c ea.
Charming. New lavender-pink.
75c each.
Dubonnet. Wine Red. 75c each.
Isle de France. Deep purple.
60c each.

Calicanthus (Sweet Shrub). 2 to 3 ft. Each 70c.

Crape Myrtle. Due to unknown factors, we do not guarantee these plants. Each 60c.

Deutzia (Pride of Rochester). Vigorous, well-shaped bush. Blooms in June, flowers white. Each 50c.

White Dogwood. 3 to 4 ft. Each \$1.60.

Pink Dogwood. 3 to 4 ft. Each \$2.50.

Pink Dogwood. 4 to 5 ft. Each \$3.50.

Euonymus Alatus. Cork bark Wahoo. Prized for its highly colored foliage in autumn. 2 to 3 ft. Each \$1.00.

Forsythia Spectabilis (Golden Bell). Bright yellow flowers very early in the spring. Size 3 ft., 60c.

Bush Honeysuckle (Lonicera Tartarica). Wealth of white, pink and red flowers. Grows to a height of 6 to 8 ft. Blooms in May. Each (3 to 4 ft.), 50c.

Cydonia (Flowering Quince). Brilliant scarlet blossoms. Each 60c.

Lilac (Common). Each 60c.

Lilac (French Hybrid). Each \$1.25.

Hydrangea Paniculata G. A most popular summer-flowering shrub. Largest blossoms of pure white flowers. Each 60c.

Mock Orange (Philadelphus). Strong grower with beautiful foliage. Produces white flowers in June. (Size 3 to 4 ft.) Each 50c.

Redbud (Judas Tree). 4 to 5 ft. Each \$1.00.

White Snowberry. Each 50c.

Spirea Frobélii. Taller, earlier and better than Anthony Waterer. Each 50c.

Spirea Van Houttei. The most beautiful Spirea and a graceful shrub which deserves popularity. The flowers are borne in long, drooping sprays during May. (Size 3 to 4 ft.) Each 40c. Three for \$1.00.

Weigella "Eva Rathke." The brilliant flowers are borne twice during each season. Fine for shrub border. Each 50c.

Viburnum Snowball. Each \$1.00.

Grape Vines

Two year No. 1 Each Ten

Concord, Standard

Black.....\$0.30 \$1.90

Hardy Vines

Boston Ivy (Ampelopsis Veitchi). Clinging vine for stone, brick, or woodwork. One year old. Each 50c.

Clematis Paniculata. Sweet-scented white blooms. Best hardy vine for porch shade. Each 50c, 2 for 90c.

Japanese Honeysuckle (Lonicera Halliana). Each 35c.

Wisteria (Chinensis Blue). Strong, rapid climber. The flowers hang in pendulous clusters. Each 75c.

CLEMATIS

Large-flowered

Those who admire the purple Jackmani will be delighted with the large-flowered varieties which we list below. These vines will flourish in a rich, well-drained, sandy loam. They are partial to lime and relish generous applications of water during dry weather. Bone meal and well-rotted cow manure should be thoroughly mixed with soil when planted. The vines should be tied firmly to a suitable support to prevent injury by wind.

Henryi. Large white flowers 6 to 7 inches across. Each 75c.

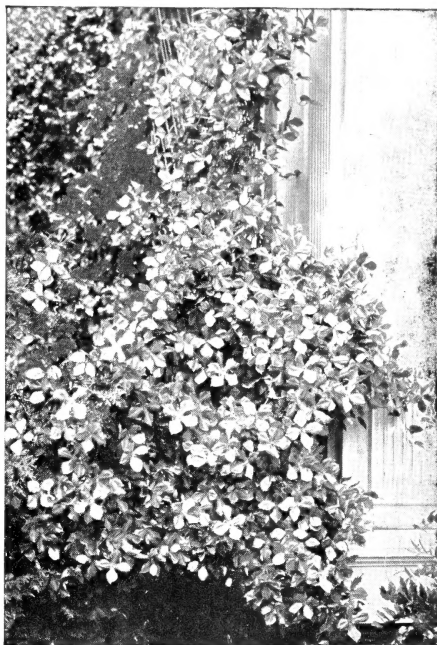
Jackmani. The popular purple-blue variety. Each 70c.

Lawsoniana. Large flowers of blue flushed mauve. Each \$1.25.

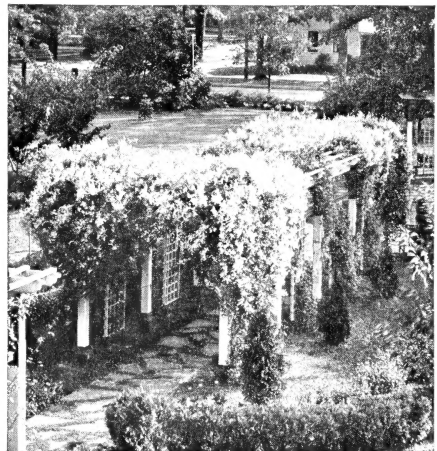
Mme. Baron Veillard. Warm lilac-rose. Each 75c.

Mme. Edw. Andre. Popular red. Each 75c.

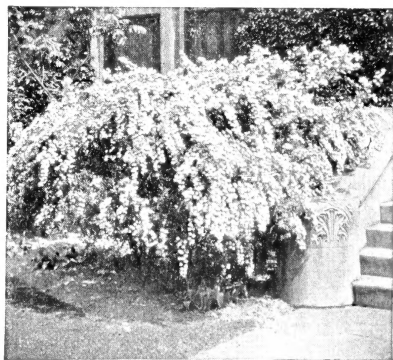
Ramona. Lavender-blue with dark anthers. Each 75c.



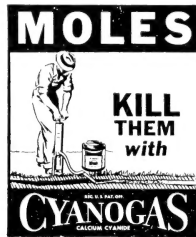
Clematis Jackmani



Clematis Paniculata



Spirea Van Houttei



Insect Destroyers and Fungicides

Antrol. Sets containing 4 jars and 4-oz. bottle of syrup, price 75c; extra jars, each 10c. 4-oz. bottle syrup, 35c. Pint bottle of syrup, 85c.

Antrol Ready-filled Sets. Consisting of four patented glass "feeders" filled with regular Antrol syrup, price per set, 40c.



Arsenate of Lead (Dry). Efficient against leaf-eating insects. May be applied as a dust or in liquid form. Use 2 to 3 pounds to 50 gallons of water on potatoes. For all other purposes, use 1 to 1½ pounds to 50 gallons of water, or one teaspoonful to 1 gallon. When using on trees and plants of tender foliage, add 2 pounds of lime to each 50 gallons of water. ½ lb., 20c; 1 lb., 35c; 4 lbs., 75c.

Black-Leaf-40. A highly concentrated solution of Nicotine Sulphate. 1-oz. bottle, 35c; 5 ozs., \$1.00; 1 lb., \$2.25.

Bordeaux Mixture (Dry). Used against blight, mildew, black-rot, leaf-spot, and other fungous diseases. Do not use on peach or Japanese plum. 1 lb., 35c; 4 lbs., 75c.

Cyanogas "A" Fumigant (Calcium Cyanide). Destroys moles, rats, moths, fleas, and greenhouse insects. Directions with each package. 4 ozs., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.



Dogzoff. Protects evergreens against damage by dogs. Bottle 60c.

Fish-Oil Soap. Used against many sucking insects. A spreader for nicotine sulphate and other sprays. 1 lb., 35c.

Lime-Sulphur (Dry). For control of scale and fungus diseases on fruit trees, vines, shrubs. One pound makes 3 to 5 gallons. 1 lb., 35c; 5 lbs., \$1.45.

Para-Dichlorbenzene. For peach tree borer. Placed around the base of tree, a gas is generated which kills the borers. Use 1 oz. per tree. 1 lb., 50c.

Paris Green. A poisonous insecticide used against leaf-eating worms and beetles. ¼ lb., 20c; 1 lb., 50c.

Pomo-Green. An elaboration of the Massey formula, colored green. Sulphur fungicide with arsenate of lead for dusting roses and other garden plants. 1 lb., 50c.

Pomo-Green with Nicotine. An all-around dust or spray for the control of black spot, mildew, chewing and sucking insects. 1 lb., 75c; 5 lbs., \$3.00.



Red Arrow. Non-poisonous insecticide. Oz., 35c; 4 ozs., \$1.00; pint, \$2.85.

Rotocide. Contact spray effective against most all garden insects. 1 oz., 35c; 8 ozs., \$1.00; pint, \$1.75.

Semesan. A seed and plant disinfectant. Possesses remarkable properties for sterilizing seeds, bulbs, roots and corms. Prevents "damping off" of seedlings and cuttings and controls other fungous diseases and canker, black spot of roses, mildew, and rust. 1/3 oz., 10c; 2 ozs., 35c; 1 lb., \$2.25.

Slug Shot (Hammond's). A dust insecticide. 1 lb., 25c; 5 lbs., 75c.

Snarol. For control of snails, slugs and grasshoppers. 1½-lb. package, 35c; 4-lb. package 85c.

Sulphate of Iron. A remedy for weeds on lawns, kills dandelions without injury to grass. ¼ lb., 10c; 5 lbs., \$1.00.

Sulphur. For use in dusting plants, roots, and bulbs against certain fungous diseases. 2 lbs., 30c; 5 lbs., 50c; 10 lbs., 90c.

Terro Ant Killer. Will rid a place of ants in 24 hours. Will drive them from flower beds, pantries, refrigerators, or any other place. 2-oz. bottle, 50c.

Terro Roach Killer. Really does the work. 4 ozs., 35c.

Tobacco Dust. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.20; 50 lbs., \$2.10.

Tree Saver. For wounds and sun scalds and boring insects. To protect trees from rabbits and field mice. Pint, 40c.

Garden VOLCK. A summer oil spray for the control of aphids, mealy bugs, red spider, white fly and certain scale insects. 3½-oz. bottle, 35c; 1 pt. bottle, 90c.

FLORALIFE. 3 to 5 days more life for your cut flowers. **Floralife** keeps cut flowers garden-fresh in the warm, dry air of the average home. 1 qt. size, 10c; 50 qt. size, \$2.65.

ROOTONE. ¼ oz., 25c; 2 oz. for \$1.00.

TRANSPLANTONE. ½ oz. pkt., 25c; 1-oz. can, 50c; 3-oz. can, \$1.00; 1-lb. can, \$4.00.

BEAN BEETLE DUST

An effective control against the Mexican Bean Beetle. This dust is best applied with a long-spouted duster with a lip at the end, so as to reach the under-side of all foliage.

1 lb., 25c; 5 lbs., 75c.

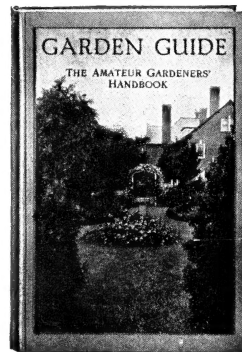
TRI-GEN

The all-purpose spray

Tri-ogen gives complete protection against all plant insects and diseases, including black-spot, mildew, aphid (plant-lice), slug-worms, caterpillars, etc. The stimulating value of **Tri-ogen** promotes vigor and growth, healthy green foliage, with resulting luxuriant blooms.

Makes		Protects for Season		
A. Small Kit	16 quarts	12 to 20	roses	\$1.50
B. Med. Kit	64 quarts	50 to 80	roses	4.00
C. Large Kit	32 gallons	100 to 160	roses	6.00

"THE GARDEN GUIDE"



576 Pages — 300 Illustrations

Each subject covered by an expert (28 authors)

Planning Home Grounds, Hedges, Fences, Lawns, Hillsides, Terraces, Slopes, Foundations, Rose Garden, Rock Garden, Water Gardens, Wild Garden, Trees, Shrubs, Hardy Perennials, Annuals, Biennials, Garden Favorites, Bulbs and Tuberous-rooted Plants, Garden Ferns, Cacti Succulents, Plants which yield Honey for Bees, Porch and Window Boxes, Vegetables, Fruits, Herbs, Winter Fruits and Vegetables, Summer Vacation Gardening, Manures, Fertilizers, Pruning, Propagation, Transplanting, Winter Protection, Insect Pests, Diseases, Weeds, Greenhouses, Garden Frames, Tools, Furniture, Animals, Birds, Bird Houses, Goldfish, Indoor Unusual Plants, Calendar of Garden Operations for: Northern and Middle States; Central, Upper and Lower South, California.

Especially written for the amateur. Has some information on every phase of gardening on the average-sized place.

Cloth, \$2.00

Fertilizers

Super Phosphate. 5 lbs., 35c; 10 lbs., 50c; 25 lbs., 90c; 50 lbs., \$1.50; 125 lbs., \$2.50.

Aluminum Sulphate. 1 lb., 15c; 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.50.

Hardwood Ashes. Apply at the rate of ten pounds to each hundred square feet. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

Blood Meal. 1 lb., 15c; 5 lbs., 60c; 10 lbs., \$1.00.

Bone Meal. Gives lawns that deep green color and is fine for incorporating with potting soil, giving substance to the bloom of flowers. Work into soil around shrubs, and hedge plants. 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 50 lbs., \$2.00;

Ground Bone (Raw). Finely pulverized. 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.90.

Cattle Manure, Shredded. For greenhouse and garden mulch. 100 lbs., \$2.75.

Lawn and Garden Fertilizer. A well-balanced chemical fertilizer for use on lawns as well as in the vegetable and flower garden. 5 lbs., 40c; 10 lbs., 60c; 25 lbs., \$1.00; 50 lbs., \$1.75; 125 lbs., \$4.00.

Leaf-Mold. Most useful when mixed with ordinary soil for seed beds, potting soil for ferns, azaleas, gloxinias, petunias, and other flowers. Peck, 35c; bushel, \$1.25; 2 bushels, \$2.00.

Lime. For lawn and garden use. Hydrated. 25 lbs., 50c; 50 lbs., 75c; 100 lbs., \$1.25.

Limestone. Ground fine for use on lawns. Sweetens the soil. Not injurious to seed. 10 lbs., 25c; 25 lbs., 50c; 50 lbs., 75c; 100 lbs., \$1.25.

Muriate of Potash. 5 lbs., 50c; 10 lbs., 90c; 25 lbs., \$1.50.

Plantabbs. Odorless plant food tablets for use on house plants, shrubs, trees, and gardens. 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1,000 tablets, \$3.50.

Pulverized Sheep Manure. A weedless organic fertilizer for lawns and gardens. 5 lbs., 30c; 10 lbs., 55c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$2.75.

Vigoro. A well-balanced chemical fertilizer, quickly available as plant food, which may be used on vegetables, flowers, house plants, and lawns. 1 lb., 10c; 5 lbs., 45c; 10 lbs., 85c; 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00.

All prices subject to change without notice.

'TWIST-EMS' THE NEW HANDY PLANT-TIE

Quick, permanent, attractive, convenient. Green. Box of 125, 8-in. size, 25c. Box of 250, 4-in. size, 25c.



Garden Supplies

Grafting Wax. ¼ lb., 25c; ½ lb., 40c; 1 lb., 60c.

Garden Twine. Two-ply soft jute. ½ lb. balls, 35c.

Raffia. This grass, being tough and pliable, is largely used for tying plants. Natural color. Lb., 80c.

STAKES

Bamboo, Dyed Green. Doz. 100
3-ft. \$0.25 \$1.75
4-ft.30 2.25

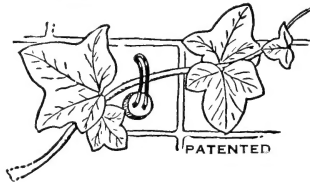
Bamboo, Natural. 6 ft., \$2.00 per 100.

Peony or Tomato Supports. Two iron rings welded to substantial supports. 18-in., each 40c; dozen \$4.00.

Redwood Dahlia Stakes

Each
4 ft. \$0.06
5 ft.10
6 ft.12

Wayward Vine Guide (for brick and concrete walls)



For training and supporting Ivy and other vines on brick and concrete surfaces. Will not mar or deface. Gray, white, and red. Box of 25, \$1.00.

Erosionet. Made of strong open mesh fabric, will hold your seed and sod firmly in place. Width 45 in. Price per yd., 12½¢; 25-yd. lots, 11½¢; 100-yd. lots, 10½¢; rolls of 25 yds., 9½¢.

Sieves. For preparing potting soil. Diameter, 17 in., ¼ in., ⅛ in. and ½ in. mesh. \$1.25 each.

LABELS

Garden Labels 100 1,000
8-in. x 7/8 in. Painted
Wood. \$0.75 \$6.00
12-in. x 1 1/8-in. Painted
Wood. 1.35 10.50

Pot Labels 100 1,000
4-in. Plain. \$0.30 \$1.75
6-in. Plain.45 2.75
12-in. Plain.75 5.70

Label Pencils (Rainproof). 15c each,
2 for 25c.



Tree Labels 100 1,000
Plain copper wired. \$0.40 \$2.25
Painted copper wired.50 2.50

Redwood Flats or Plant Trays

Made from best rot-resisting wood. For use in hotbeds and greenhouses. 35c each.

Denison Seed Starter Sets. 50c each.

Hot Kaps. Home garden set of 25 with fiber setter. 50c each.

POTS AND SAUCERS

Clay Pots, Red Standard Each Doz.
2¼-in. \$0.03 \$0.25
3-in.04 .40
4-in.05 .50
5-in.08 .80
6-in.10 1.15
8-in.25 2.50
10-in.45 4.50
12-in.75 7.50

Saucers

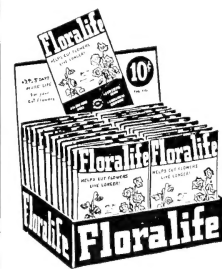
6-in.08 .25
8-in.10 1.10
10-in.15 1.50
12-in.30
14-in.45
16-in.60

Cedar Plant Tubs. Made from the best Virginia cedar and finished in an attractive shade of green.

No.	Inside Diameter	Depth Inside	Each
3	8-in.	8-in.	\$0.80
5	10-in.	9-in.	1.25
7	12-in.	11-in.	1.70
9	14-in.	13-in.	2.25
12	17-in.	16-in.	4.50

Bird's Neponset Paper Flower Pots

Doz. 100
2¼-in. \$0.15 \$0.80
3-in.28 1.25
4-in.40 1.65
5-in.45 2.35



Floralife

Helps Cut Flowers Live Longer

Prevents fading
Maintains fragrance
Retards wilting
No need to change water or cut stems
Used by florists
One quart package 10c, 3 for 25c



National Eezy Wear Garden Gloves

Have Every Feature You Want in a Garden Glove

All-Leather—DIRT PROOF—Durable SOFT—Comfortable—WASHABLE

Easy on the hands and easy to wear!

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year round for garden, housework, yard, painting, furnace, garage, etc. You'll like them.

Sizes for Women (small, medium, large) for Men (small, medium, large). Price, 75 cents a pair, postpaid (2 pr. \$1.40.)

Vegetable Planting Table

Kind of Vegetable	Planting Time	Seeds or Roots required for 100-foot row	Depth of Planting	Ready to Use after Planting
Asparagus, roots.....	Early Spring	60 to 80 roots	3 to 5 in.	1 year
Beans, dwarf.....	Apr.-Aug.	1 lb.	1 in.	42 to 75 days
Beans, pole.....	Apr.-June	½ lb.	1 in.	72 to 90 days
Beets.....	Apr.-June	1 ounce	1 in.	45 to 60 days
Brussels Sprouts.....	Apr.-June	¼ ounce	½ in.	100 to 120 days
Cabbage.....	Apr.-June	¼ ounce	½ in.	110 to 120 days
Carrot.....	Apr.-June	½ ounce	½ in.	55 to 80 days
Cauliflower.....	Feb. Hotbed	½ ounce	½ in.	95 to 110 days
Celery.....	May-June	¼ ounce	½ in.	120 to 150 days
Corn, sweet.....	May-Aug.	¼ lb.	1 in.	55 to 90 days
Cucumber.....	Apr.-Aug.	½ ounce	1 in.	50 to 70 days
Eggplant.....	Mar. Hotbed	½ ounce	½ in.	125 to 140 days
Endive.....	April	1 ounce	½ in.	100 days
Kale, or Borecole.....	Spring-Fall	¼ ounce	½ in.	55 to 60 days
Kohl-rabi.....	Mar.-May	¼ ounce	½ in.	50 to 70 days
Lettuce.....	Mar.-Sept.	½ ounce	½ in.	70 to 90 days
Melon, muskmelon.....	Apr.-June	½ ounce	1 in.	85 to 150 days
Melon, watermelon.....	May-June	1 ounce	1 in.	100 to 130 days
Mustard.....	Mar.-Sept.	¼ ounce	¼ in.	60 to 90 days
New Zealand Spinach.....	Early Spring	1 ounce	1 to 2 in.	60 to 100 days
Okra.....	May-June	2 ounces	1 in.	90 to 140 days
Onion, seed.....	Apr.-May	1 ounce	½ in.	125 to 150 days
Onion, sets.....	Mar.-May	1 qt. of sets	1 in.	100 days
Parsley.....	Apr.-Sept.	¼ ounce	½ in.	65 to 90 days
Parsnip.....	Apr.-May	½ ounce	½ in.	130 days
Peas.....	Mar.-June	1 lb.	1 in.	45 to 75 days
Pepper.....	Mar. Hotbed	½ ounce	½ in.	130 to 150 days
Potatoes, Irish.....	Mar. & Aug.	5 lbs.	4 in.	90 to 150 days
Radish.....	Mar.-Sept.	1 ounce	½ in.	20 to 75 days
Rhubarb, roots.....	Early Spring	33 roots	2 to 3 in.	
Salsify.....	Early Spring	1 ounce	½ in.	150 days
Spinach.....	Apr. & Sept.	1 ounce	1 in.	45 days
Squash.....	Apr.-June	½ ounce	1 in.	70 days
Tomato.....	May-June	½ ounce	½ in.	125 to 150 days
Turnip.....	Apr.-Aug.	½ ounce	¼ in.	45 to 90 days

When Flowers Bloom

Flower lovers find it most interesting to keep a garden diary. Notes taken in one season are quite helpful in making forecasts for the following year. The following observations are taken from the notebook of a Louisville gardener:

MARCH. Arabis, Myrtle, Crocus, Forsythia.

APRIL. Double English Daisy, Tulip, Narcissus, Viola, Spirea V. H., Leucojum.

MAY. Bleeding Heart, Iris, Columbine, Oriental Poppy, Deutzia Gracilis, Peony, Ranunculus, Gold Dust, Creeping Phlox, Hardy Candytuft, Pyrethrum, Honesty, Saponaria, Creeping Baby Breath, Sweet William, Lychnis, Blue Flax, Tradescantia, Veronica, Climbing American Beauty.

JUNE. Cerastium, Clematis Jackmani, Edelweis, Ismene, Coreopsis, Chelone, Geum, Tunica, Phlox, Miss Lingard, Hollyhocks, Pansy, Madonna Lily, Regal Lily, Platycodon, Shasta Daisy, Sweet Peas, Delphinium, Valerian, Astilbe, Gaillardia, Feverfew, Hardy Pea, Gladiolus.

JULY. Artemesia, Forget-Me-Not, Statice, Stokesia, Carnation, Anthemis, Chinese Forget-Me-Not, Purple Coneflower, Day Lily, Gypsophila Bristol Fairy, Monarda, Phlox, Campanula Carpatia.

AUGUST. Dahlia, Physostegia.

SEPTEMBER. Clematis, Hardy Aster, Hardy Chrysanthemum.

Flower Planting Table

February or March

Indoors or in the hotbed or cold-frame for transplanting in May.

Ageratum	Cypress Vine	Petunia
Asters	Dahlias	Moon Vine
Canna	Heliotrope	Morning Glory
Celosia	Lantana	Ricinus
Coxcomb	Marigold	Stocks
Coleus	Sage	Snapdragon

February—Out-of-doors where they are to grow and bloom.

Cosmos	Sweet Peas
Cornflower	Petunia
Snapdragon	Annual Poppies
	Larkspur

March—Flowering shrubs, roses, and perennial plants.

April—

Ageratum	Lobelia
Sweet Alyssum	Marigold
Baby Breath	Mignonette
Asters	Nasturtiums
Calendula	Pansies
Calliopsis	Petunia
Candytuft	Phlox
Centaurea	Poppies
Cosmos	Salpiglossis
Cypress Vine	Scabiosa
Dianthus	Snapdragon
Eschscholtzia	Stocks
Forget-Me-Not	Sunflowers
Gaillardia	Verbena
Godetia	Zinnias
Gypsophila	Everlastings
Larkspur	Gladiolus Bulbs

May—

Dahlia Roots
Gladiolus
Cannas
Hardy Chrysanthemums

June—

Gladiolus Bulbs
Zinnias (late planting)

July—

Iris

August—Plant seeds of all perennials.

September—

Oriental Poppy Plants
Narcissus
Peonies

October-November—

Tulips	Squills
Hyacinths	Chionodoxa
Narcissus	Grape Hyacinth
Snowdrops	Crocus

Get acquainted with your flowers, learn their names. Place permanent labels on each variety and keep a notebook of garden happenings.